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 TI Method of production of cellular nonautoclave concrete for wall
 members
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CLASS

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AB The method includes proportioning of cement, silica component,
 gas-forming agent, additives, and water followed by stirring the
 mix simultaneously with hydromech. activation; additives are proportioned
 addnl.; duration of the activation is 5 to 10 min; gas-forming agent is
 introduced in 2-3 min before mixing completion. The mix for production of
 nonautoclave aerated concrete containing cement, silicate
 component in the form of fly ash from thermoelec.
 power plants or fine sand, building gypsum, gas-forming agent,
 plasticizer, and water. The gas-forming agent is
 aluminum powder or paste. the activating additive is soda sulfite waste of
 alumina production process or another product containing sodium sulfate.
 The concrete mix contains cement 48-52, silica
 component 10-14, water 35-37.5, gas-forming agent 0.04-0.06,
 building gypsum 1.2-1.4, activating additive 1.2-1.4, and
 superplasticizer S-3 0.25-0.35 weight%. The method provides fast
 hardening of the mix, and enhanced strength and d. of concrete.

ST cellular concrete cement fly ash
 gypsum silica

IT Concrete

48-52 - cement +
 35-37.5 - water
 10-14 - fly ash (silica component)
 - superplasticizer [plastizer]